

Keynote Speaker – Dr. Steven Shafer

Our Guest Judge and Keynote Speaker is Dr. Steven Shafer, a world-renowned Anesthesiologist and Researcher affiliated with the Stanford University Medical Centre.

Dr. Shafer's professional interests are the clinical pharmacology of intravenous anesthetic drugs, opioids and hypnotics used in anesthetic practice. However, his real passion is not the drugs themselves, but rather the mathematical models that characterize drug behavior. These include conventional pharmacokinetic and pharmacodynamic models, inverse models (used to drive target controlled infusion systems), Bayesian models (used to handle model uncertainty), pharmacokinetic and pharmacodynamic models of drug interaction, models of receptor function that help elucidate mechanisms of drug action, and models that relate drug response to "in silico" pharmacogenetics..



Dr. Shafer has received numerous awards and honors, including the Gold Medal from the Royal College of Anaesthetists (2013) and a Lifetime Achievement Award from the International Society of Anaesthetic Pharmacology (2011).

The title of Dr. Shafer's Keynote Lecture is 'Clinical Pharmacology: From Michael Jackson to TensorFlow'.